

IN THE CLAIMS:

Please amend the claims as shown below:

Claim 1. (Currently Amended): A voltage controlled oscillator for controlling the oscillation frequency of an output signal depending on an input voltage, ~~being characterized to receive the~~ oscillator receives a modulated voltage and ~~output~~ outputs, by using any one of a ~~varactor~~, a reactance transistor[[,]] and a digital oscillator with a multivibrator, an FM signal having a band including a fundamental oscillation frequency and plural higher-order harmonic components of said fundamental oscillation frequency.

Claim 2. (Original): A voltage controlled oscillator in accordance with claim 1, wherein a frequency band including only the predetermined higher-order harmonic component is filtered at the output stage.

Claims 3-10 (Cancelled)